

# Shut-off ball valve

## Type GBC M

009R9519

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**Refrigerants:**

R134a, R290, R32, R407C, R404A/R507, R407A, R407F, R407H, R410A, R448A, R449A, R449B, R450A, R452A, R452B, R454A, R454B, R454C, R455A, R463A, R513A, R515B, R516A, R1234ze(E), R1234yf

For complete list of approved refrigerants, go to <http://products.danfoss.com/all-products/>

**Media temperature range:** -40 – 150 °C / -40 – 302 °F  
**Ambient temperature range:** -40 – 45 °C / -40 – 113 °F

**Max. working pressure:**  
**PS/MWP:** 49 bar / 710 psig

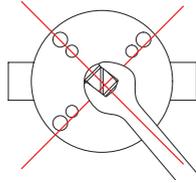
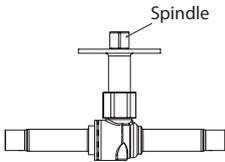
**Power supply:** AC/DC 95 – 265 V, AC/DC 24 V

**Over voltage category:** II (2.5 kV)

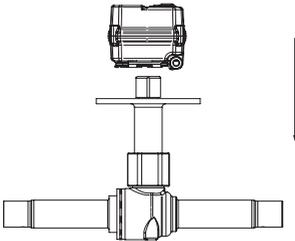


**Warning:**

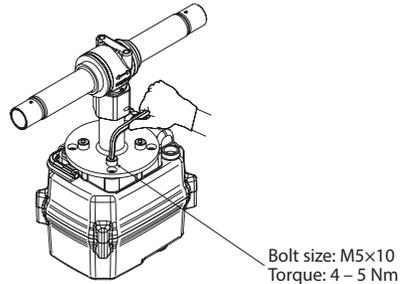
1. When taking the valve out from the box not to make the spindle drop out
2. Not to turn the spindle by wrench



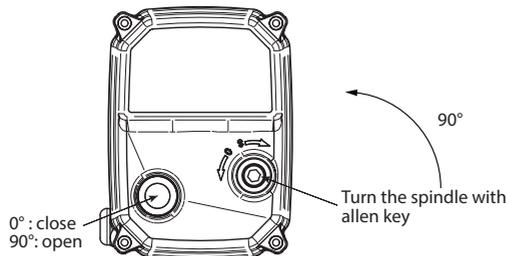
**1. Put the actuator on the kit**



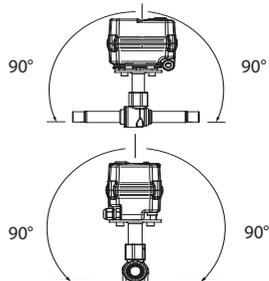
**2. Tighten the screws**



**3. Open the valve manually**



**Mounting angle**



Info for UK customers only: Danfoss Ltd., 22 Wycombe End, HP9 1NB, GB

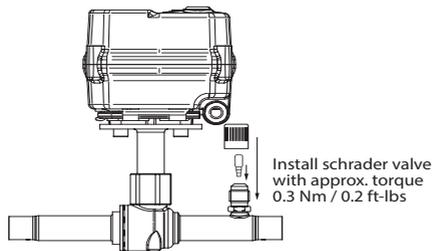
#### 4. Brazing cooper pipe



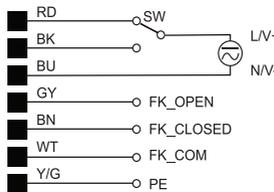
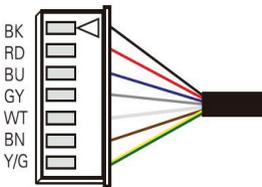
#### Installation video



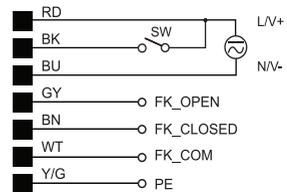
#### 5. Install Schrader valve (if present)



#### 6. Connect cable



w/o fail-safe



with fail-safe

Suggest customer cut the terminal



Please note:

1. Keep the actuator away from direct sunlight and raining. If the actuator is exposed to sunlight or raining please install the protection cover.
2. Actuator is not explosion proof product.
3. Make sure the voltage of power supply is correct.
4. Suggest customer install a fuse according to operating max. current shown in data sheet.
5. Actuator with fail-safe function will restart after shut off two minutes.
6. Don't install or dismantle the actuator when power on. Customer can only adjust the actuator manually when power off.
7. After using sometime there may be some white powder in the window, it is normal and will not influence the function of actuator.

#### Danfoss A/S

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